

## INSERT FOR USE AS A CONNECTION ELEMENT FOR JOINTS DESIGNED TO BE SECURE AGAINST ROTATION AND INSERT EJECTION.

Publication number: EP0667936

Publication date: 1995-08-23

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Classification:

- international: B23P19/06; F16B37/06; B23P19/06; F16B37/04; (IPC1-7): F16B37/06

- european: B23P19/06B; F16B37/06B4

Application number: EP19930915638 19930707

Priority number(s): WO1993DE00602 19930707; DE19920009059U 19920707; DE19920011342U 19920824

Also published as:



WO9401688 (A1)



HU214609 (A)



EP0667936 (A0)



EP0667936 (B2)



EP0667936 (B1)

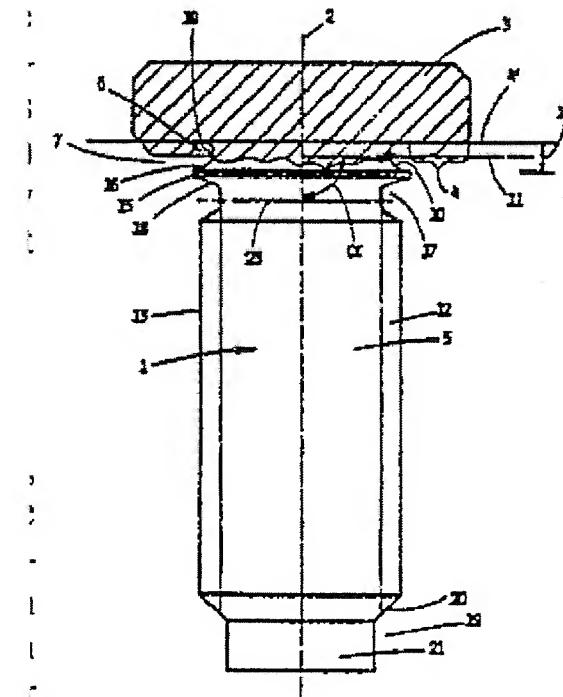
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Abstract not available for EP0667936

Abstract of corresponding document: WO9401688

Proposed are single-piece inserts (1, 38), in the form of bolts, screws or nuts, for joints between pieces of sheet material, the joints being designed to be secure against rotation and insert ejection. The inserts (1, 38) have a large-diameter head (3, 39) and a smaller-diameter shaft (5, 36) concentric with the longitudinal axis (2) of the insert. Located in the transition region between the head and the shaft is a neck facing radially out away from the central axis of the insert and designed as an annular space (6, 37) to hold the sheet material. The annular space (6, 37) extends longitudinally up from a part of the shaft not surrounded by the head (3, 39) to the underside (4) of the head. Distributed round the edge of the underside (4) of the head, away from the periphery of the shaft, are rounded projections (8) designed to secure the joint against rotation with respect to the sheet material.



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Europäisches Patentamt

European Patent Office

Office européen des brevets

(11) Veröffentlichungsnummer:

(11) Publication number:

(11) Numéro de publication:

**0 667 936**

Internationale Anmeldung veröffentlicht durch die  
Weltorganisation fñr geistiges Eigentum unter der Nummer:

**WO 94/01688** (art.158 des EPf).

International application published by the World  
Intellectual Property Organisation under number:

**WO 94/01688** (art.158 of the EPC).

Demande internationale publieà par l'Organisation  
Mondiale de la Propriàtè sous le numàro:

**WO 94/01688** (art.158 de la CBE).